

## **Who is currently living with HIV/AIDS? Detailed data tables and technical notes**

### **Technical notes:**

These data represent only those individuals who tested positive for HIV, have sought medical care *and* have been reported to the HIV/AIDS Surveillance Program. Individuals who are unaware of their status, not in care, or not reported are not reflected.

The profile of people living with HIV/AIDS presented in “*Who is currently living with HIV/AIDS?*” can be used as an indicator of individuals who are utilizing and/or eligible for HIV services, as well as individuals who are at risk for transmitting HIV infection to others. These data can be used to inform HIV care, treatment and support service planning as well as the planning of prevention programs for people living with HIV/AIDS. Such prevention programs are designed to support people living with HIV/AIDS in their efforts to live longer and healthier lives, as well as to reduce behaviors that may put themselves or others at risk for further HIV transmission.

Please note that previous editions of the Epidemiologic Profile presented people living with HIV/AIDS as of July 1<sup>st</sup> whereas this edition presents people living with HIV/AIDS as of December 31<sup>st</sup> to be consistent with national practice.

**Table 1. People living with HIV/AIDS on December 31, 2005 by gender, race/ethnicity, place of birth and health service region: Massachusetts**

<b>People Living with HIV/AIDS on 12/31/05</b>		
<b>Gender:</b>	<b>N</b>	<b>%</b>
Male	11,368	71%
Female	4,598	29%
<b>Race/Ethnicity:</b>	<b>N</b>	<b>%</b>
White (non-Hispanic)	7,245	45%
Black (non-Hispanic)	4,426	28%
Hispanic	3,975	25%
Asian/Pacific Islander	196	1%
American Indian/Alaska Native	22	<1%
Other/Unknown	102	1%
<b>Place of Birth:</b>	<b>N</b>	<b>%</b>
US	11,054	69%
Puerto Rico/US Dependency <sup>1</sup>	1,940	12%
Non-US	2,972	19%
<b>Health Service Region<sup>2</sup>:</b>	<b>N</b>	<b>%</b>
Boston HSR	5,211	33%
Central HSR	1,419	9%
Metro West HSR	1,985	12%
Northeast HSR	2,305	14%
Southeast HSR	2,195	14%
Western HSR	1,852	12%
Prison <sup>3</sup>	993	6%
<b>TOTAL<sup>4</sup></b>	<b>15,966</b>	<b>100%</b>

<sup>1</sup> Ninety-four percent of people living with HIV/AIDS who were born in a US Dependency were born in Puerto Rico, <1% were born in the US Virgin Islands, and 6% were born in an unknown dependency.

<sup>2</sup> Reflects the health service region of a person's residence at the time of report (not necessarily current residence); See Epidemiologic Profile General Appendices, Health Service Region Maps, available at [http://www.mass.gov/dph/aids/research/profile2005/app5\\_hrs\\_maps.pdf](http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf) for configuration of health service regions.

<sup>3</sup> HSRs are regions defined geographically to facilitate targeted health service planning. While prisons are not an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include persons who were diagnosed with HIV/AIDS while in a correctional facility.

<sup>4</sup> Total includes 8 people living with HIV/AIDS with unknown HSR; Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 7/1/06

**Table 2. People living with HIV/AIDS on December 31, 2005 by gender and race/ethnicity: Massachusetts**

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	5,893	52%	1,352	29%
Black Non-Hispanic	2,588	23%	1,838	40%
Hispanic	2,665	23%	1,310	28%
Asian/Pacific Islander	149	1%	47	1%
American Indian/Alaska Native	10	<1%	12	<1%
Not Specified	63	1%	39	1%
<b>Total</b>	<b>11,368</b>	<b>100%</b>	<b>4,598</b>	<b>100%</b>
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 7/1/06				

**Table 3. People living with HIV/AIDS on December 31, 2005 by race/ethnicity and place of birth: Massachusetts**

Race/Ethnicity:	US		Puerto Rico/ US Dependency <sup>1</sup>		Non-US		Total
	N	%	N	%	N	%	N
White NH	6,869	95%	24	<1%	352	5%	<b>7,245</b>
Black NH	2,678	61%	18	<1%	1,730	39%	<b>4,426</b>
Hispanic	1,363	34%	1,898	48%	714	18%	<b>3,975</b>
API	44	22%	0	0%	152	78%	<b>196</b>
AI/AN	21	95%	0	0%	1	5%	<b>22</b>
Other/Unknown	79	77%	0	0%	23	23%	<b>102</b>
<sup>1</sup> Ninety-four percent of people living with HIV/AIDS who were born in a US Dependency were born in Puerto Rico, <1% were born in the US Virgin Islands, and 6% were born in an unknown dependency NH= Non-Hispanic, API=Asian/Pacific Islander, AI/AN=American Indian/Alaska Native Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 7/1/06							

**Table 4. People living with HIV/AIDS on December 31, 2005 by gender and place of birth: Massachusetts**

Race/Ethnicity:	Male		Female	
	N	%	N	%
United States (US)	8,292	73%	2,762	60%
Puerto Rico/US Dependency <sup>1</sup>	1,318	12%	622	14%
Non-US	1,758	15%	1,214	26%
<b>Total</b>	<b>11,368</b>	<b>100%</b>	<b>4,598</b>	<b>100%</b>

<sup>1</sup> Ninety-four percent of people living with HIV/AIDS who were born in a US Dependency were born in Puerto Rico, <1% were born in the US Virgin Islands, and 6% were born in an unknown dependency.  
 Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 7/1/06

**Table 5. People living with HIV/AIDS on December 31, 2005 by current age and gender: Massachusetts**

Age in years	Male		Female		State Total	
	N	%	N	%	N	%
Under 13	43	<1%	39	1%	82	1%
13 to 19	96	1%	80	2%	176	1%
20 to 24	109	1%	91	2%	200	1%
25 to 29	308	3%	241	5%	549	3%
30 to 34	678	6%	471	10%	1,149	7%
35 to 39	1,655	15%	822	18%	2,477	16%
40 to 44	2,721	24%	1,029	22%	3,750	23%
45 to 49	2,510	22%	860	19%	3,370	21%
50+	3,248	29%	965	21%	4,213	26%
<b>Total</b>	<b>11,368</b>	<b>100%</b>	<b>4,598</b>	<b>100%</b>	<b>15,966</b>	<b>100%</b>

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 7/1/06

**Table 6. People living with HIV/AIDS by exposure mode:  
Massachusetts***People Living with HIV/AIDS on 12/31/05*

Exposure Mode:	N	%
Male-to-male sex (MSM)	5,325	33%
Injection Drug Use (IDU)	4,264	27%
MSM/IDU	509	3%
Receipt of Blood/Blood products	124	1%
Pediatric	281	2%
Total Heterosexual Sex (HTSX)	2,147	13%
• HTSX w/ an Injection Drug User	899	6%
• HTSX w/ Bisexual male	35	<1%
• HTSX w/ Blood/Blood products <sup>1</sup>	25	<1%
• HTSX w/ a person w/ HIV or AIDS	1,188	7%
Total Undetermined/Other	3,313	21%
• Presumed Heterosexual Sex <sup>2</sup>	2,406	15%
• Undetermined/Other <sup>3</sup>	910	6%
<b>TOTAL</b>	<b>15,966</b>	<b>100%</b>

<sup>1</sup> Heterosexual sex with a person who received blood/blood products  
<sup>2</sup> Heterosexual sex with a partner of unknown HIV status or risk  
<sup>3</sup> Includes those still being followed up for risk information, those who have died with no determined risk, those lost to follow-up, and one person with confirmed occupational exposure  
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 7/1/06

*Note: The category of “presumed heterosexual sex” is used in Massachusetts to re-assign people who are reported with no identified risk but who are known to have not reported any other risks except heterosexual sex with a partner of unknown HIV status or risk. Massachusetts uses this category to distinguish these cases from other undetermined cases about which we know less. Nationally, the Centers for Disease Control and Prevention categorizes “presumed heterosexual sex” cases as “no identified risk” (NIR). As such, comparisons of the presumed heterosexual category cannot be made to national data. Caution should be used in interpreting data for presumed heterosexual, as it is still not clear what the exposure risk is for people in this category. Although a person may not report other risk behaviors such as injection drug use or male-to-male sex to his/her health care provider, it does not necessarily mean that he/she has not engaged in them. There are many barriers to disclosing HIV risk behaviors in the health care setting such as a limited patient-provider relationship or stigma.*

**Table 7. People living with HIV/AIDS on December 31, 2005 by gender and exposure mode: Massachusetts**

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	5,325	47%	N/A	N/A
Injection drug use (IDU)	2,895	25%	1,369	30%
MSM/IDU	509	4%	N/A	N/A
Heterosexual sex	652	6%	1,495	33%
Other	234	2%	174	4%
Total Undetermined	1,753	15%	1,560	34%
• Presumed heterosexual sex <sup>1</sup>	1,134	10%	1,272	28%
• Undetermined <sup>2</sup>	619	5%	288	6%
<b>Total</b>	<b>11,368</b>	<b>100%</b>	<b>4,598</b>	<b>100%</b>

<sup>1</sup> Heterosexual sex with partners with unknown risk and HIV status<sup>2</sup> Includes those still being followed up for risk information, those who have died with no determined risk, those lost to follow-up, and one person with confirmed occupational exposure; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 7/1/06

**Table 8. People living with HIV/AIDS on December 31, 2005 by race/ethnicity<sup>1</sup> and exposure mode: Massachusetts**

	White NH		Black NH		Hispanic		API	
	N	%	N	%	N	%	N	%
MSM	3,945	54%	626	14%	646	16%	72	37%
IDU	1,599	22%	1,018	23%	1,619	41%	8	4%
MSM/IDU	307	4%	98	2%	101	3%	1	1%
HTSX	524	7%	794	18%	781	20%	29	15%
Other	145	2%	135	3%	122	3%	6	3%
Total Undetermined	725	10%	1,755	40%	706	18%	80	41%
• Pres. HTSX <sup>2</sup>	464	6%	1,357	31%	514	13%	50	26%
• Undetermined <sup>3</sup>	261	4%	398	9%	192	5%	30	15%
<b>Total</b>	<b>7,245</b>	<b>100%</b>	<b>4,426</b>	<b>100%</b>	<b>3,975</b>	<b>100%</b>	<b>196</b>	<b>100%</b>

<sup>1</sup> Data for American Indian/Alaska Native and Other/Unknown race/ethnicity are not presented due to small numbers<sup>2</sup> Heterosexual sex with partners with unknown risk and HIV status<sup>3</sup> Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and one person with confirmed occupational exposure

NH = Non-Hispanic, API = Asian/Pacific Islander, MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 7/1/06

**Table 9. Males living with HIV/AIDS on December 31, 2005 by race/ethnicity<sup>1</sup> and exposure mode: Massachusetts**

	White NH		Black NH		Hispanic		API	
	N	%	N	%	N	%	N	%
MSM	3,945	67%	626	24%	646	24%	72	48%
IDU	935	16%	698	27%	1,246	47%	6	4%
MSM/IDU	307	5%	98	4%	101	4%	1	1%
HTSX	143	2%	272	11%	223	8%	10	7%
Other	93	2%	72	3%	67	3%	2	1%
Total Undetermined	470	8%	822	32%	382	14%	58	39%
• Pres. HTSX <sup>2</sup>	262	4%	576	22%	253	9%	36	24%
• Undetermined <sup>3</sup>	208	4%	246	10%	129	5%	22	15%
<b>Total</b>	<b>5,893</b>	<b>100%</b>	<b>2,588</b>	<b>100%</b>	<b>2,665</b>	<b>100%</b>	<b>149</b>	<b>100%</b>

<sup>1</sup> Data for American Indian/Alaska Native and Other/Unknown race/ethnicity are not presented due to small numbers

<sup>2</sup> Heterosexual sex with partners with unknown risk and HIV status

<sup>3</sup> Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and one person with confirmed occupational exposure

NH = Non-Hispanic, API = Asian/Pacific Islander, MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 7/1/06

**Table 10. Females living with HIV/AIDS on December 31, 2005 by race/ethnicity<sup>1</sup> and exposure mode: Massachusetts**

	White NH		Black NH		Hispanic		API	
	N	%	N	%	N	%	N	%
IDU	664	49%	320	17%	373	28%	-- <sup>2</sup>	-- <sup>2</sup>
HTSX	381	28%	522	28%	558	43%	19	40%
Other	52	4%	63	3%	55	4%	-- <sup>2</sup>	-- <sup>2</sup>
Total Undetermined	255	19%	933	51%	324	25%	22	47%
• Pres. HTSX <sup>3</sup>	202	15%	781	42%	261	20%	14	30%
• Undetermined <sup>4</sup>	53	4%	152	8%	63	5%	8	17%
<b>Total</b>	<b>1,352</b>	<b>100%</b>	<b>1,838</b>	<b>100%</b>	<b>1,310</b>	<b>100%</b>	<b>47</b>	<b>100%</b>

<sup>1</sup> Data for American Indian/Alaska Native and Other/Unknown race/ethnicity are not presented due to small numbers

<sup>2</sup> Percentages calculated from a numerator of less than 5 and a denominator of less than 100 are not presented

<sup>3</sup> Heterosexual sex with partners with unknown risk and HIV status

<sup>4</sup> Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and one person with confirmed occupational exposure

NH = Non-Hispanic, API = Asian/Pacific Islander, IDU = Injection Drug Use, HTSX = Heterosexual Sex, Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 7/1/06

**Table 11. People living with HIV/AIDS on December 31, 2005 by Health Service Region (HSR)<sup>1</sup> and gender: Massachusetts**

Health Service Region	Male		Female		Total
	N	%	N	%	N
Boston HSR	3,967	76%	1,244	24%	5,211
Central HSR	882	62%	537	38%	1,419
Metro West HSR	1,423	72%	562	28%	1,985
Northeast HSR	1,549	67%	756	33%	2,305
Southeast HSR	1,557	71%	638	29%	2,195
Western HSR	1,141	62%	711	38%	1,852
Prison <sup>2</sup>	846	85%	147	15%	993
<b>MA Total<sup>3</sup></b>	<b>11,368</b>	<b>71%</b>	<b>4,598</b>	<b>29%</b>	<b>15,966</b>

<sup>1</sup> Reflects the health service region of a person's residence at the time of report (not necessarily current residence); See Epidemiologic Profile General Appendices, Health Service Region Maps, available at

[http://www.mass.gov/dph/aids/research/profile2005/app5\\_hrs\\_maps.pdf](http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf) for configuration of health service regions

<sup>2</sup> HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include only persons who were diagnosed with HIV/AIDS while in a correctional facility

<sup>3</sup> MA Total includes 6 people living with HIV/AIDS with unknown residence at time of report

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 7/1/06

**Table 12. Percentage distribution of people living with HIV/AIDS on December 31, 2005 by Health Service Region (HSR)<sup>1</sup> and race/ethnicity: Massachusetts**

HSR	White NH	Black NH	Hispanic	API	AI/AN	Total
Boston HSR	42%	38%	18%	1%	<1%	<b>5,211</b>
Central HSR	45%	20%	34%	1%	<1%	<b>1,419</b>
Metro West HSR	53%	33%	11%	2%	0%	<b>1,985</b>
Northeast HSR	47%	20%	29%	3%	<1%	<b>2,305</b>
Southeast HSR	65%	19%	14%	<1%	<1%	<b>2,195</b>
Western HSR	29%	20%	50%	<1%	<1%	<b>1,852</b>
Prison <sup>2</sup>	30%	28%	42%	<1%	<1%	<b>993</b>

<sup>1</sup> Reflects the health service region of a person's residence at the time of report (not necessarily current residence); See Epidemiologic Profile General Appendices, Health Service Region Maps, available at

[http://www.mass.gov/dph/aids/research/profile2005/app5\\_hrs\\_maps.pdf](http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf) for configuration of health service regions

<sup>2</sup> HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include only persons who were diagnosed with HIV/AIDS while in a correctional facility

API = Asian/Pacific Islander, AI/AN = American Indian/Alaska Native, NH= Non-Hispanic; Data Source: MDPH HIV/AIDS Surveillance Program, data as of 7/1/06



**Table 13. Percentage distribution of people living with HIV/AIDS on December 31, 2005 by Health Service Region (HSR)<sup>1</sup> and exposure mode: Massachusetts**

HSR	MSM	IDU	MSM/ IDU	HTSX	Other	Pres. HTSX <sup>2</sup>	Unde- ter- mined <sup>3</sup>	Total
Boston HSR	45%	18%	3%	11%	2%	15%	5%	<b>5,211</b>
Central HSR	21%	36%	3%	18%	4%	15%	4%	<b>1,419</b>
Metro West HSR	38%	16%	3%	11%	3%	21%	8%	<b>1,985</b>
Northeast HSR	29%	24%	3%	15%	3%	19%	8%	<b>2,305</b>
Southeast HSR	36%	28%	3%	15%	3%	10%	5%	<b>2,195</b>
Western HSR	21%	34%	3%	19%	3%	14%	5%	<b>1,852</b>
Prison <sup>4</sup>	5%	73%	5%	6%	<1%	8%	3%	<b>993</b>

<sup>1</sup> Reflects the health service region of a person's residence at the time of report (not necessarily current residence); See Epidemiologic Profile General Appendices, Health Service Region Maps, available at [http://www.mass.gov/dph/aids/research/profile2005/app5\\_hrs\\_maps.pdf](http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf) for configuration of health service regions

<sup>2</sup> Heterosexual sex with partners with unknown risk and HIV status

<sup>3</sup> Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up, and one person with confirmed occupational exposure

<sup>4</sup> HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include only persons who were diagnosed with HIV/AIDS while in a correctional facility;

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 7/1/06